

Very Long Baseline Scenarios

Milind Diwan April 6, 2004 Superbeam study

- A next generation large detector at a national underground facility with a powerful neutrino beam and very long baseline.
- Unique, and broad range of physics.
- Ability to over-constrain the neutrino mixing sector.
(3-generation mixing: δ_{CP} can be measured without running both polarities)
- This talk on Flexibility:
 - Not affected if parameters change.
 - Go off-axis for better detector performance.
 - Change running strategy if physics emphasis changes.